

Table 9
Summary of Round 3 In-Water Data Gaps

Data Use	Media to be Sampled or Test						
	Surface sediment	Subsurface sediment	Surface Water	Transition Zone Water	Fish and Shellfish Tissue	Invertebrate Tissue	Toxicity and/or bioaccumulation
Upstream	RM 11-14 Upstream of RM 14 Upstream of Willamette Falls	RM 9.2 -11	Transects upstream of River Mile 14 (chemistry)	Not required at this time	RM 11 – 14 Upstream of 14	Not required at this time	Not required at this time
Downstream	RM 0-2 Depositional areas within Multnomah Channel	RM 0 -2	Multnomah Channel	Not required at this time	RM 0 – 2	Not required at this time	Not required at this time
Areas of Potential Concern	To be determined on site specific basis	To be determined on site specific basis	In limited areas (See Table 5)	Based on review of Round 2 TZW sampling	See human health risk assessment and ecological risk assessment data needs below.	See human health risk assessment and ecological risk assessment data needs below.	See human health risk assessment and ecological risk assessment data needs below.
Human Health Risk Assessment	Not required at this time	Not required at this time	SPMDs if necessary to estimate tissue uptake.	Based on review of Round 2 TZW sampling	Small mouth bass to evaluate localized risk. Upstream sampling of relevant fish species.	Additional invertebrate tissue based on review of Round 2 tissue sampling.	Not applicable

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Ecological Risk Assessment	Riparian areas. Co-located samples for BSAF development.	Not required at this time	SPMDs if necessary to estimate tissue uptake.	Based on review of Round 2 TZW sampling	Sculpin in areas of localized sediment contamination. Analysis of stomach contents and fish eggs. Evaluation of skin and liver lesions.	Additional invertebrate tissue based on review of Round 2 tissue sampling.	Institu toxicity and bioaccumulation testing in areas of groundwater discharge
Hydrodynamic Model, Contaminant Fate and Transport Model, and Recontamination Potential	Sedflume and other physical measurements.	Sedflume and other physical measurements.	Measurements of flow and TSS at upstream, Multnomah Channel and at selected locations within study area.	Flux measurements to support loading estimates	Not applicable	Not applicable	Not applicable
Food Web Model	Not required at this time	Not required at this time	Temperature, TSS, and flow estimates from RM 12.8. Chemistry data to support loading estimates.	Flux measurements to support loading estimates	Individual analysis of northern pikeminnow, smallmouth bass, black crappie, largescale sucker. Composites samples for sculpin.	Periphyton Phytoplankton Zooplankton	Not required at this time

Note: This table does not include upland data gaps.